

1 **WE CLAIM:**

2

3 1. A multiple gauge assembly for
4 establishing vehicle wheel rim and tire sizes to
5 prevent interference with vehicle structure facing the
6 wheel, as during directional turning of the wheel on a
7 vehicle wheel mount, about a pivot axis angled relative
8 to the wheel axis, comprising in combination:

9 a) a first adjustable gauge to establish a
10 rim edge radial dimension, from said wheel axis,

11 b) a second adjustable gauge to establish a
12 rim offset or back spacing dimension in a direction
13 generally parallel to the wheel axis,

14 c) and a third adjustable gauge to
15 establish a tire peripheral dimension generally
16 parallel to said wheel axis,

17 d) whereby clearance between the wheel and
18 said vehicle structure can be predictively ascertained,
19 as during said wheel turning, prior to installation of
20 the wheel on the mount.

21

22

23

24

25

1 2. The combination of claim 1 wherein said
2 first gauge is elongated in a first direction, and said
3 second gauge is elongated in a second direction, said
4 first and second directions being mutually
5 perpendicular.

6

7

8 3. The combination of claim 2 wherein said
9 third gauge is elongated in a third direction, said
10 third direction being substantially parallel to said
11 second direction.

12

13

14 4. The combination of claim 1 wherein said
15 assembly includes a first carrier supporting said first
16 gauge for linear adjustable movement in a first
17 direction, and a second carrier supporting said second
18 gauge for linear adjustable movement in a second
19 direction.

20

21

22 5. The combination of claim 4 wherein said
23 assembly includes a third carrier supporting said third
24 gauge for linear adjustable movement in a third
25 direction.

26

1 6. The combination of claim 5 wherein said
2 second direction is substantially perpendicular to said
3 first direction.

4

5

6 7. The combination of claim 6 wherein said
7 third direction is substantially parallel to said
8 second direction.

9

10

11 8. The combination of claim 5 wherein said
12 carriers are operatively interconnected.

13

14

15 9. The combination of claim 5 wherein said
16 first, second and third gauges have sliding
17 interconnection with said first, second and third
18 carriers, respectively.

19

20

21 10. The combination of claim 1 including a
22 connector plate carrying said assembly, and configured
23 for bolt-on connection to said vehicle wheel mount.

24

25

1 11. The combination of claim 8 including a
2 connector plate carrying said assembly, and configured
3 for bolt-on connection to said vehicle wheel mount, and
4 wherein the carriers are carried by said connector
5 plate.

6
7
8 12. The combination of claim 10 including
9 said wheel mount to which said connector plate is
10 connected by bolt-on connection, said mount turnable
11 with the wheel about said pivot axis.

12
13
14 13. The combination of claim 8 including a
15 connector plate carrying said assembly, and configured
16 for bolt-on connection to said vehicle wheel mount, the
17 carriers carried by the connector plate, and including
18 said wheel mount to which said connector plate is
19 connected by bolt-on connection, said mount turnable
20 with the wheel about said pivot axis.

21
22
23
24
25
26